

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\  
 Data File : BN009776.D  
 Acq On : 19 Feb 2020 13:32  
 Operator : CG/JU  
 Sample : SSTDICC1.6  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC1.6

Quant Time: Feb 19 14:15:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 19 13:45:18 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.42  | 152  | 1009     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.16 | 136  | 3272     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.05 | 164  | 2032     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.80 | 188  | 4537     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.03 | 240  | 4411     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.14 | 264  | 4202     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.08  | 112 | 3658  | 1.58 | ng | 0.00  |
| 5) Phenol-d6                | 6.62  | 99  | 4616  | 1.72 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.57  | 82  | 4762  | 1.83 | ng | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 11.77 | 152 | 10596 | 1.68 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.56 | 330 | 1307  | 1.70 | ng | -0.02 |
| 15) 2-Fluorobiphenyl        | 12.66 | 172 | 13119 | 1.73 | ng | -0.02 |
| 25) Fluoranthene-d10        | 18.85 | 212 | 26558 | 1.71 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.47 | 244 | 17169 | 1.64 | ng | 0.00  |

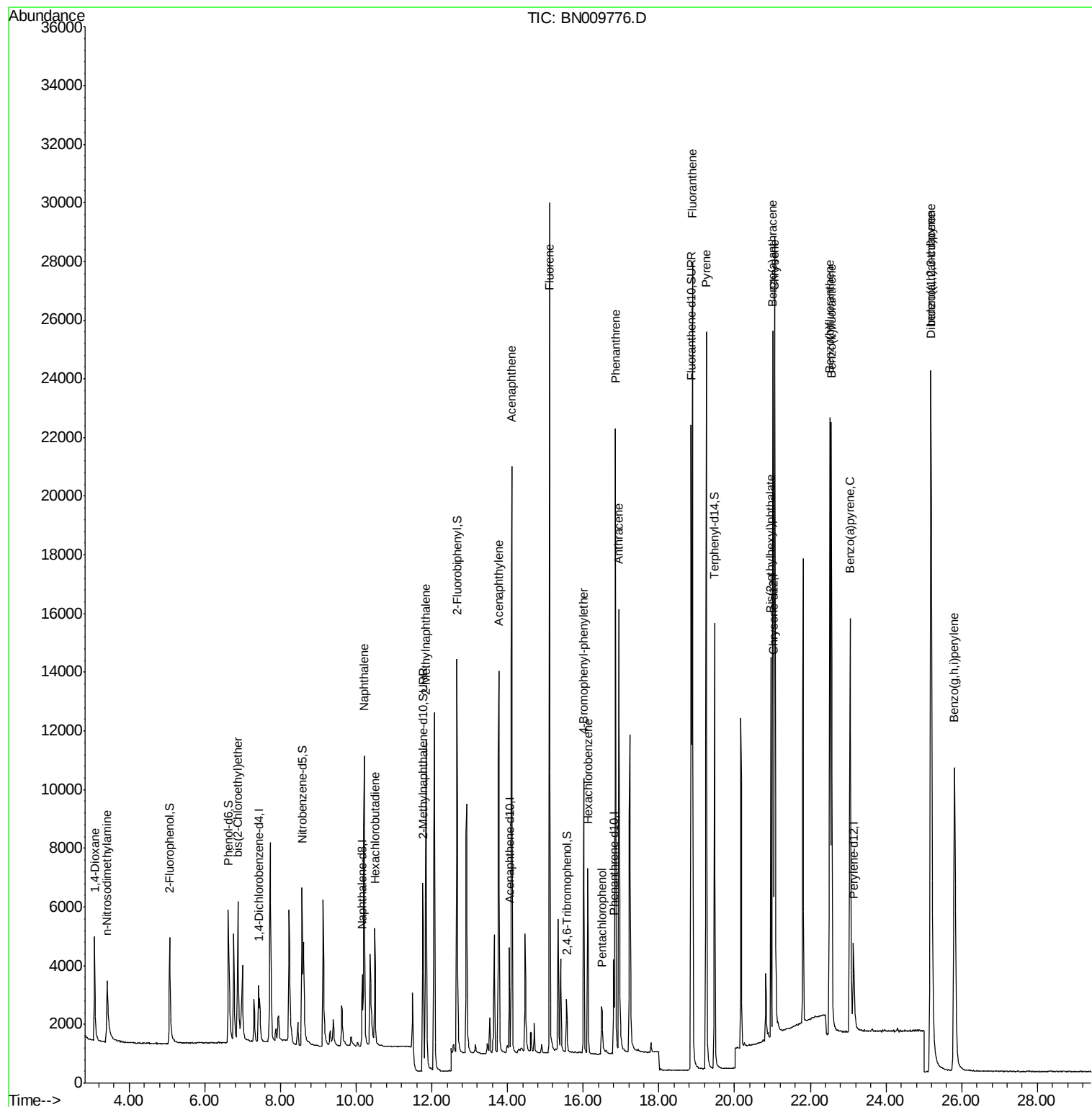
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.09  | 88  | 1722  | 1.636  | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.42  | 42  | 2989  | 1.839  | ng | # 95 |
| 6) bis(2-Chloroethyl)ether     | 6.87  | 93  | 3954  | 1.430  | ng | 86   |
| 9) Naphthalene                 | 10.21 | 128 | 14415 | 1.628  | ng | 94   |
| 10) Hexachlorobutadiene        | 10.49 | 225 | 3131  | 1.612  | ng | # 97 |
| 12) 2-Methylnaphthalene        | 11.84 | 142 | 10092 | 1.635  | ng | 98   |
| 16) Acenaphthylene             | 13.77 | 152 | 14967 | 1.708  | ng | 99   |
| 17) Acenaphthene               | 14.11 | 154 | 10178 | 1.651  | ng | 99   |
| 18) Fluorene                   | 15.12 | 166 | 13474 | 1.678  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248 | 4035  | 1.477  | ng | 99   |
| 21) Hexachlorobenzene          | 16.12 | 284 | 4700  | 1.616  | ng | 99   |
| 22) Pentachlorophenol          | 16.50 | 266 | 1244  | 1.523  | ng | 87   |
| 23) Phenanthrene               | 16.85 | 178 | 22589 | 1.657  | ng | 99   |
| 24) Anthracene                 | 16.94 | 178 | 19535 | 1.707  | ng | 100  |
| 26) Fluoranthene               | 18.88 | 202 | 27578 | 1.725  | ng | 100  |
| 28) Pyrene                     | 19.25 | 202 | 26996 | 1.615  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.00 | 228 | 24632 | 1.699  | ng | 98   |
| 31) Chrysene                   | 21.06 | 228 | 27688 | 1.670  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149 | 10892 | 1.699  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 25.19 | 276 | 29510 | 1.711  | ng | 98   |
| 35) Benzo(b)fluoranthene       | 22.51 | 252 | 26596 | 1.721  | ng | # 86 |
| 36) Benzo(k)fluoranthene       | 22.56 | 252 | 27691 | 1.623  | ng | # 91 |
| 37) Benzo(a)pyrene             | 23.05 | 252 | 23474 | 1.725  | ng | # 82 |
| 38) Dibenzo(a,h)anthracene     | 25.20 | 278 | 23977 | 1.752  | ng | 91   |
| 39) Benzo(g,h,i)perylene       | 25.81 | 276 | 24935 | 1.656  | ng | 95   |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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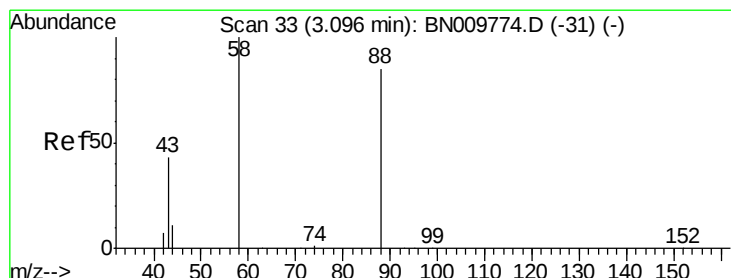
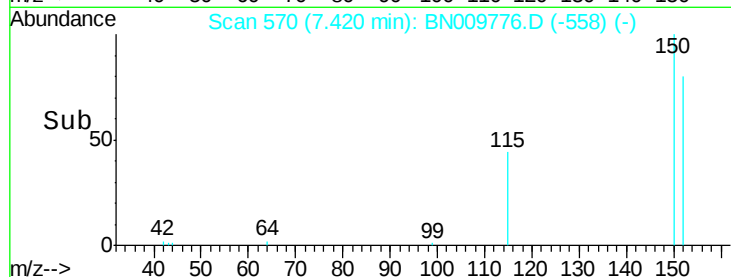
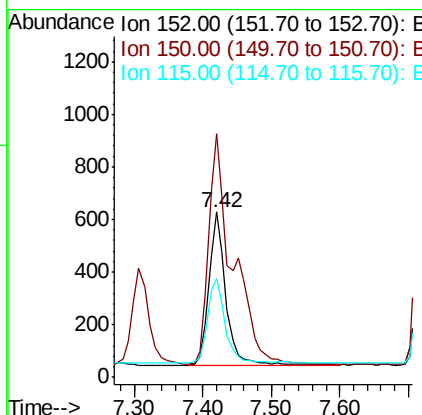
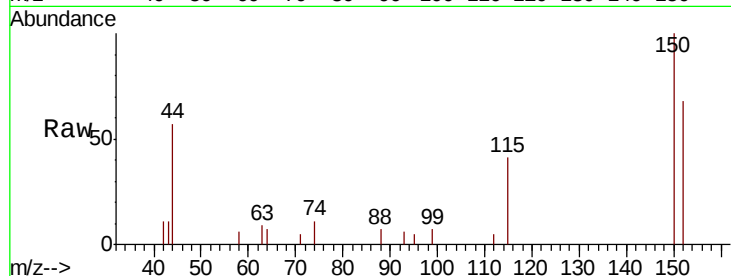


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.42 min Scan# 570  
Delta R.T. -0.00 min  
Lab File: BN009776.D  
Acq: 19 Feb 2020 13:32

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

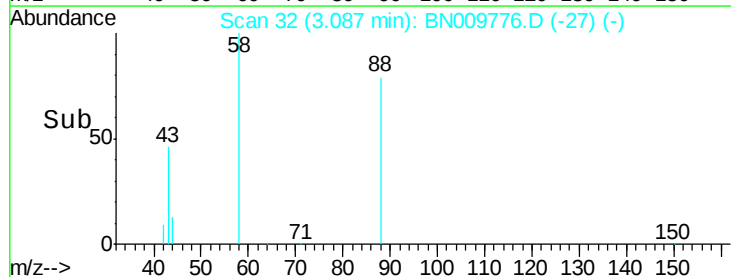
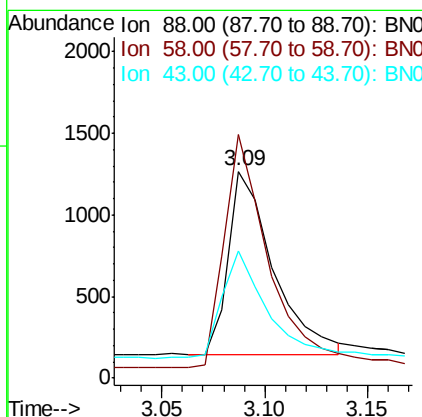
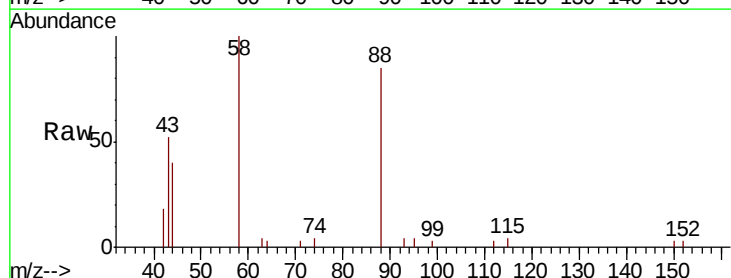
Tot Ion:152 Resp: 1009  
Ion Ratio Lower Upper  
152 100  
150 147.2 120.6 181.0  
115 60.1 51.2 76.8



#2

1,4-Dioxane  
Concen: 1.636 ng  
RT: 3.09 min Scan# 32  
Delta R.T. -0.01 min  
Lab File: BN009776.D  
Acq: 19 Feb 2020 13:32

Tgt Ion: 88 Resp: 1722  
Ion Ratio Lower Upper  
88 100  
58 124.7 97.8 146.8  
43 56.0 45.1 67.7

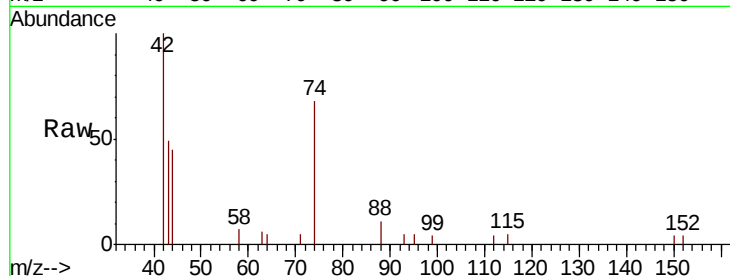




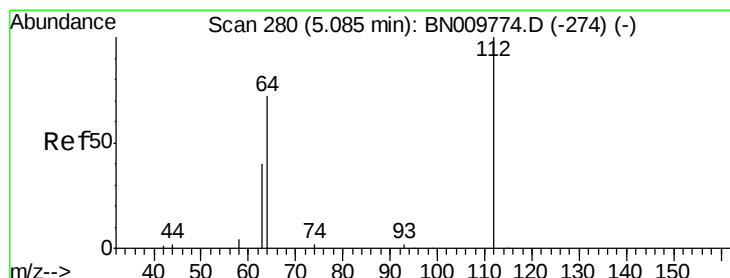
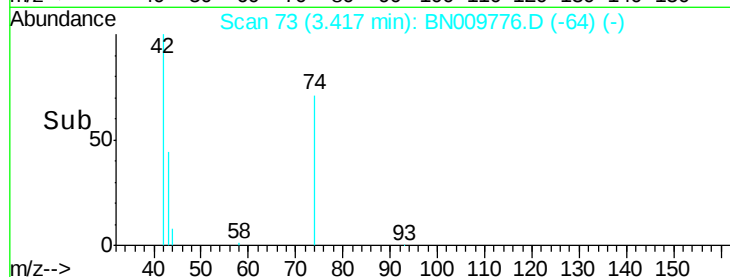
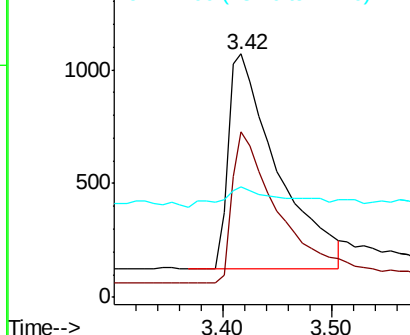
#3  
n-Nitrosodimethylamine  
Concen: 1.839 ng  
RT: 3.42 min Scan# 73  
Delta R.T. -0.02 min  
Lab File: BN009776.D  
Acq: 19 Feb 2020 13:32

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

Tot Ion: 42 Resp: 2989  
Ion Ratio Lower Upper  
42 100  
74 67.1 51.2 76.8  
44 11.2 2.6 4.0#

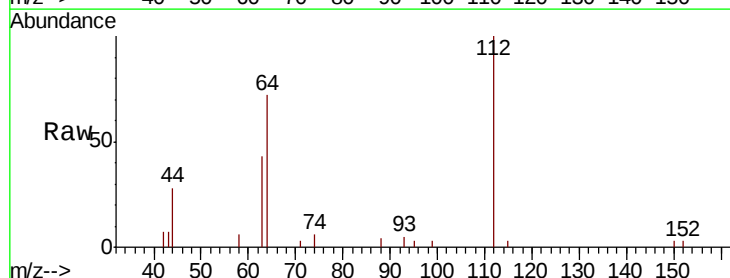


Abundance Ion 42.00 (41.70 to 42.70): BNC  
Ion 74.00 (73.70 to 74.70): BNC  
Ion 44.00 (43.70 to 44.70): BNC

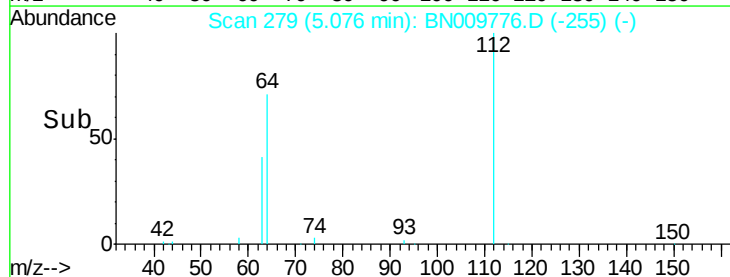
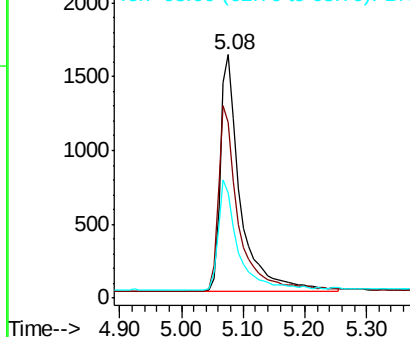


#4  
2-Fluorophenol  
Concen: 1.575 ng  
RT: 5.08 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: BN009776.D  
Acq: 19 Feb 2020 13:32

Tgt Ion: 112 Resp: 3658  
Ion Ratio Lower Upper  
112 100  
64 79.2 65.8 98.6  
63 46.4 38.7 58.1



Abundance Ion 112.00 (111.70 to 112.70): BNC  
Ion 64.00 (63.70 to 64.70): BNC  
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 1.718 ng

RT: 6.62 min Scan# 471

Delta R.T. -0.02 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

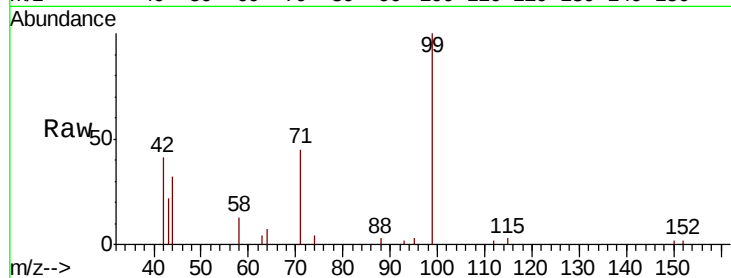
Tot Ion: 99 Resp: 4616

Ion Ratio Lower Upper

99 100

42 36.7 30.8 46.2

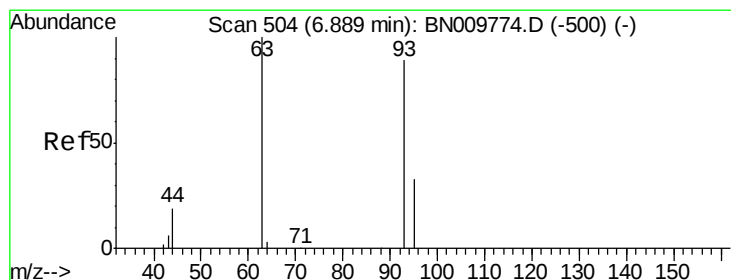
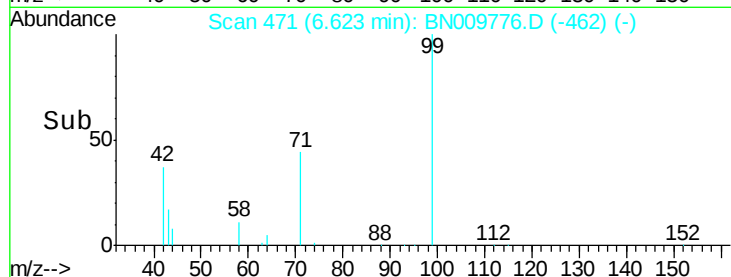
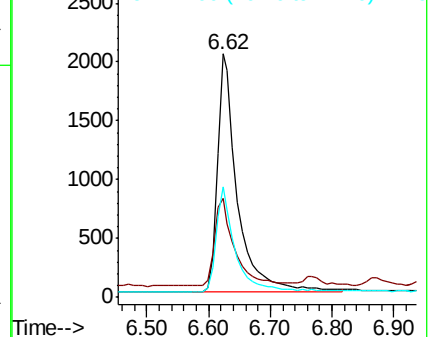
71 41.9 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BN009776.D (-468) (-)

Ion 42.00 (41.70 to 42.70): BN009776.D (-468) (-)

Ion 71.00 (70.70 to 71.70): BN009776.D (-468) (-)



#6

bis(2-Chloroethyl)ether

Concen: 1.430 ng

RT: 6.87 min Scan# 502

Delta R.T. -0.02 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

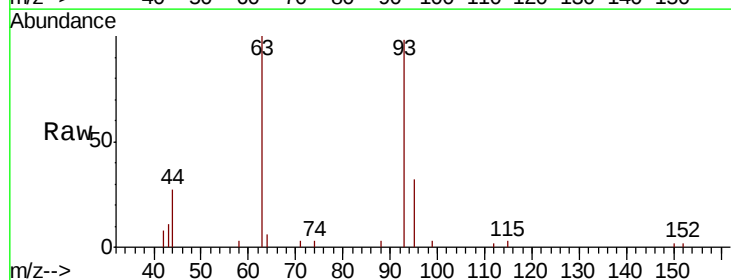
Tgt Ion: 93 Resp: 3954

Ion Ratio Lower Upper

93 100

63 108.9 74.0 111.0

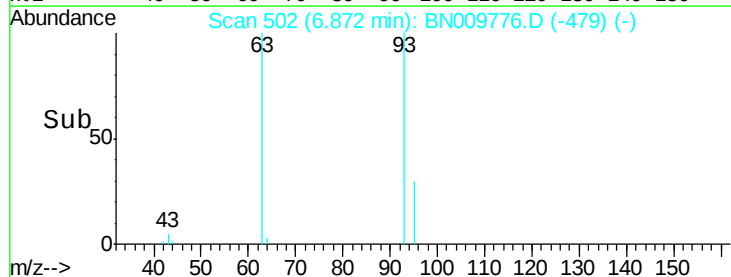
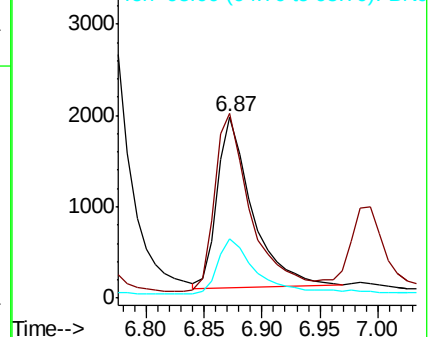
95 36.0 26.7 40.1

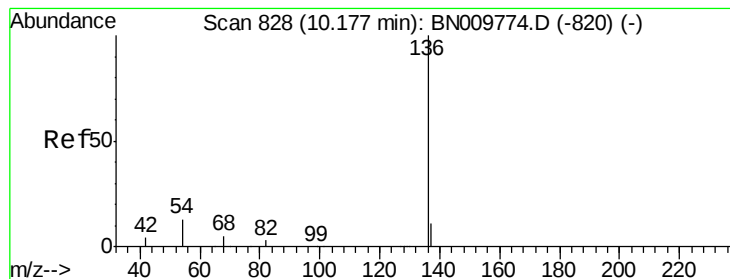


Abundance Ion 93.00 (92.70 to 93.70): BN009776.D (-479) (-)

Ion 63.00 (62.70 to 63.70): BN009776.D (-479) (-)

Ion 95.00 (94.70 to 95.70): BN009776.D (-479) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

Tot Ion:136 Resp: 3272

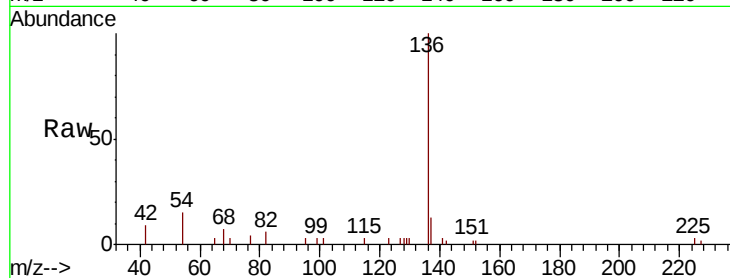
Ion Ratio Lower Upper

136 100

137 13.2 11.3 16.9

54 14.8 13.4 20.2

68 7.3 7.0 10.4

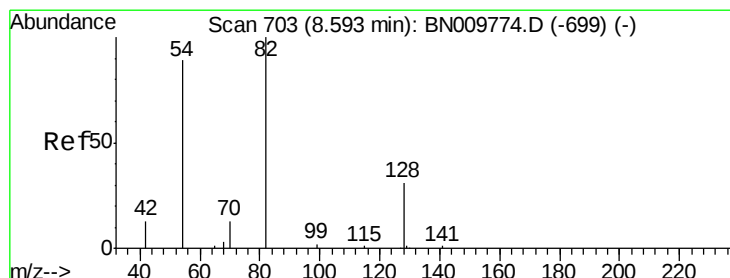
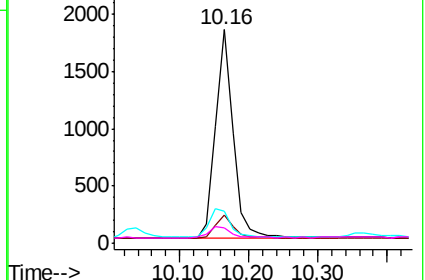
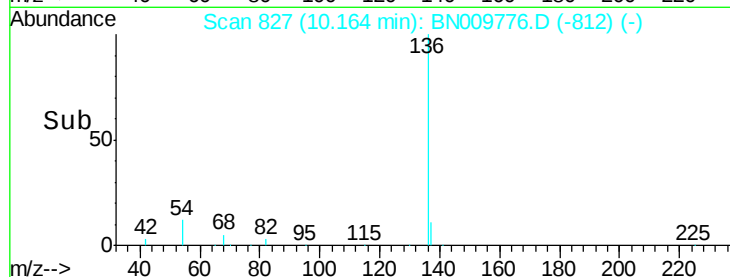


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 1.826 ng

RT: 8.57 min Scan# 701

Delta R.T. -0.03 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

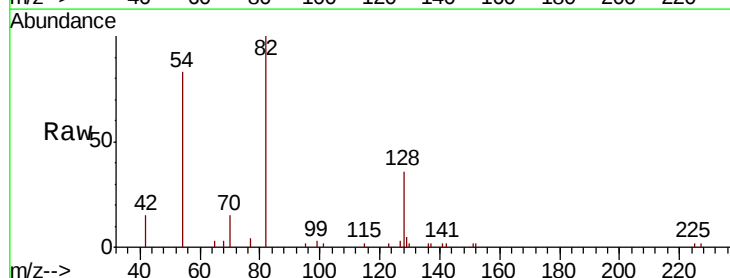
Tgt Ion: 82 Resp: 4762

Ion Ratio Lower Upper

82 100

128 36.2 32.5 48.7

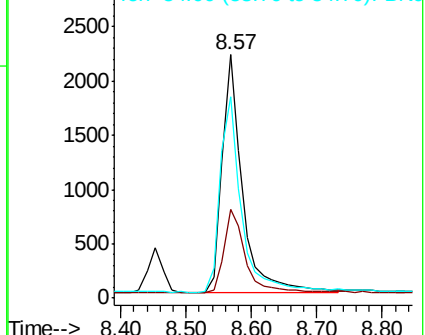
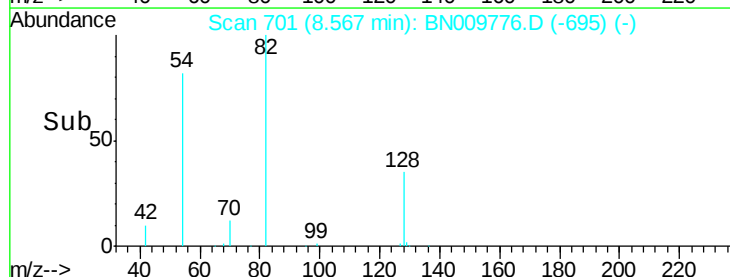
54 83.0 73.5 110.3



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 1.628 ng

RT: 10.21 min Scan# 831

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

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ClientSampleId :

SSTDICC1.6

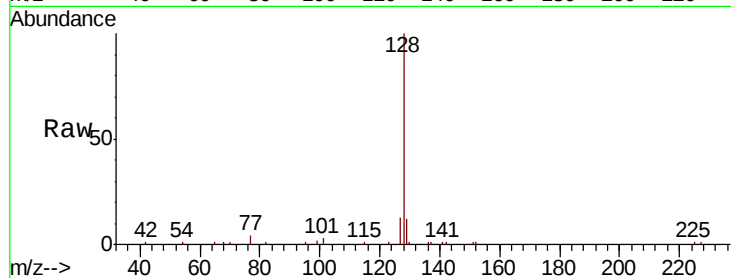
Tot Ion:128 Resp: 14415

Ion Ratio Lower Upper

128 100

129 11.7 11.1 16.7

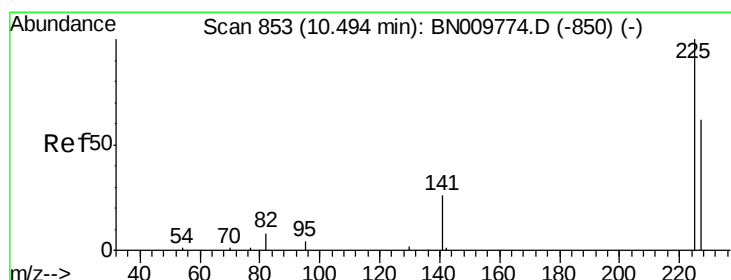
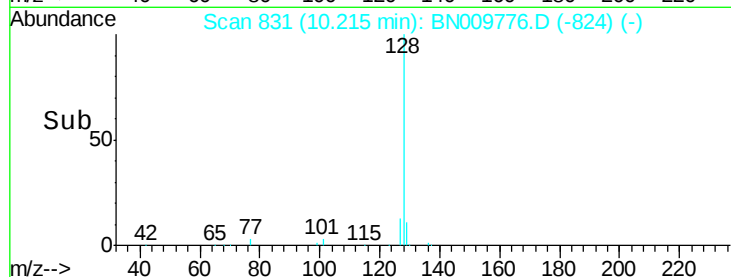
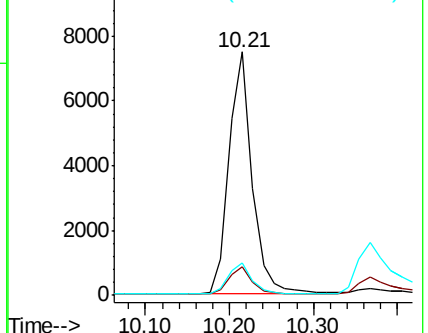
127 13.3 12.6 19.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 1.612 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.00 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

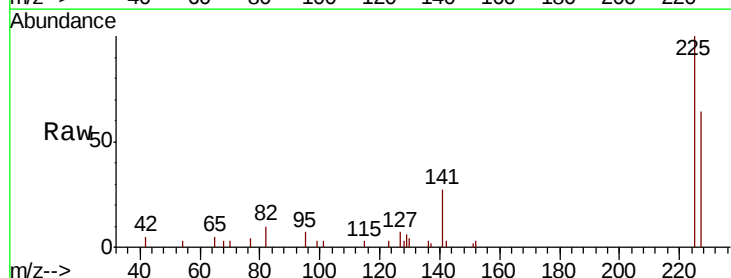
Tgt Ion:225 Resp: 3131

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

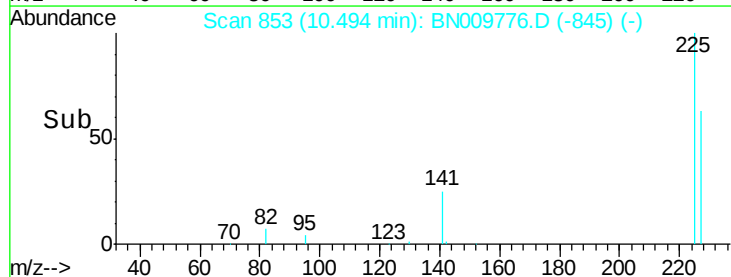
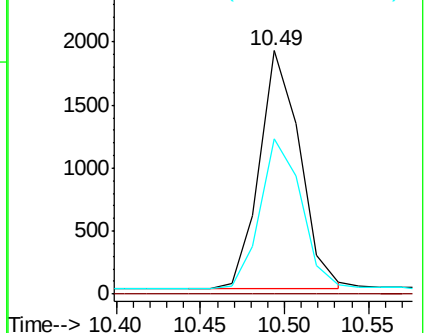
227 64.4 53.4 80.2



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 1.676 ng

RT: 11.77 min Scan# 991

Delta R.T. -0.02 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

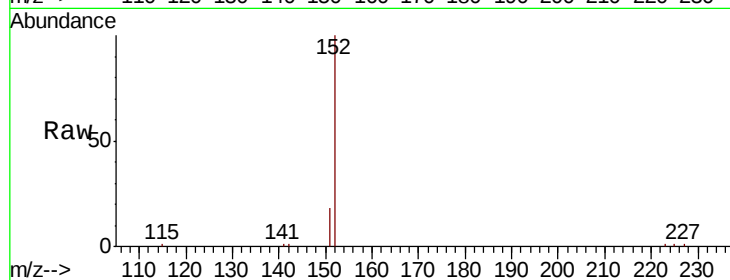
SSTDICC1.6

Tot Ion:152 Resp: 10596

Ion Ratio Lower Upper

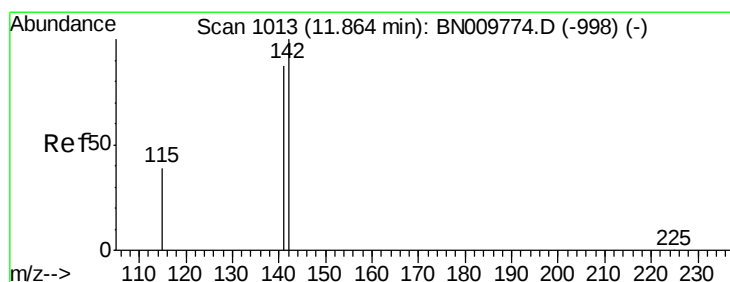
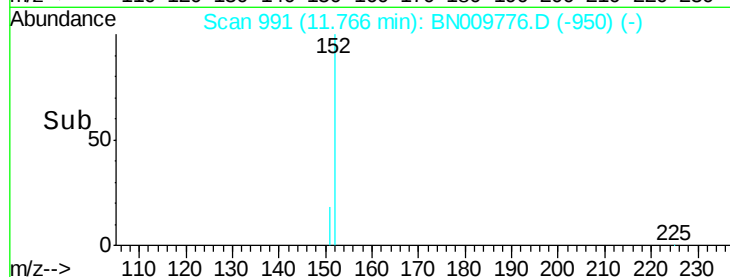
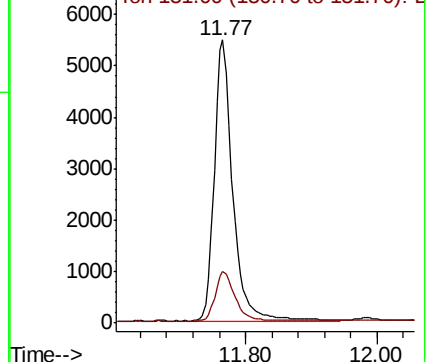
152 100

151 18.9 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 1.635 ng

RT: 11.84 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

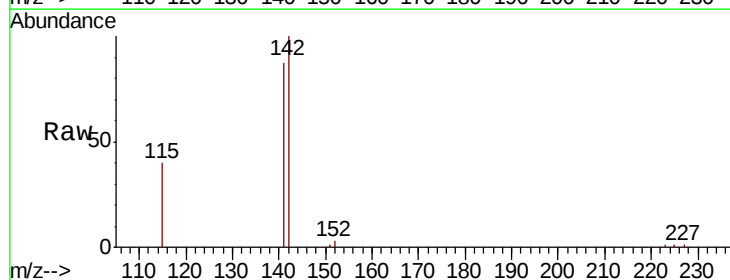
Tgt Ion:142 Resp: 10092

Ion Ratio Lower Upper

142 100

141 87.3 69.8 104.6

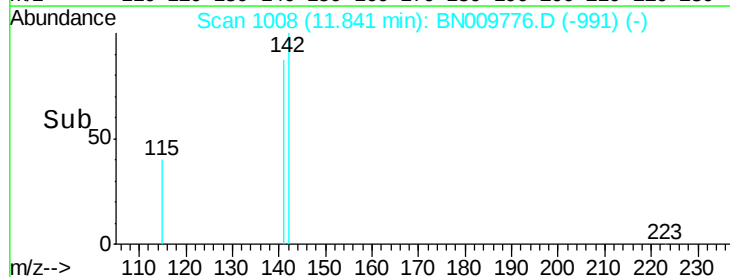
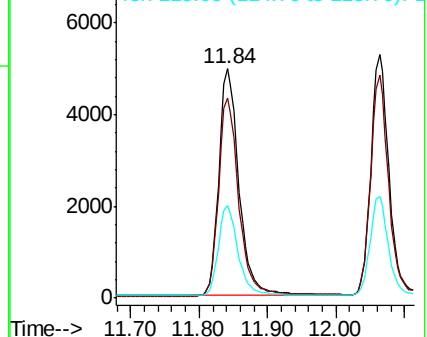
115 40.2 34.6 52.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

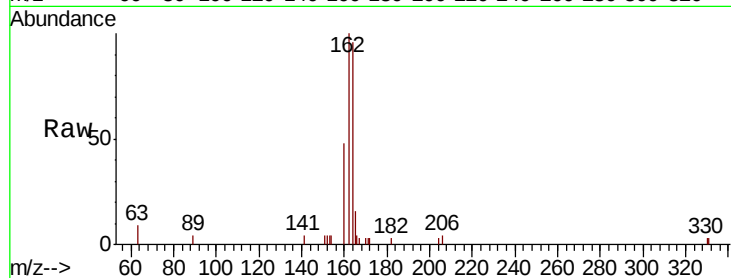
Tot Ion:164 Resp: 2032

Ion Ratio Lower Upper

164 100

162 104.2 79.9 119.9

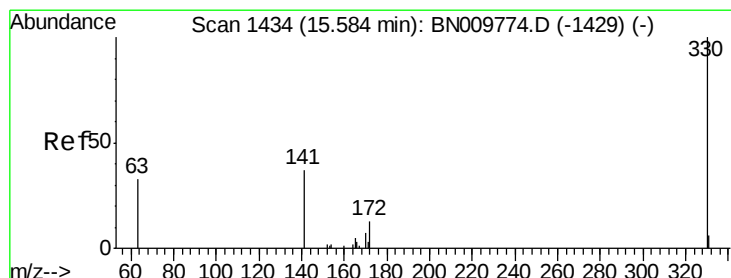
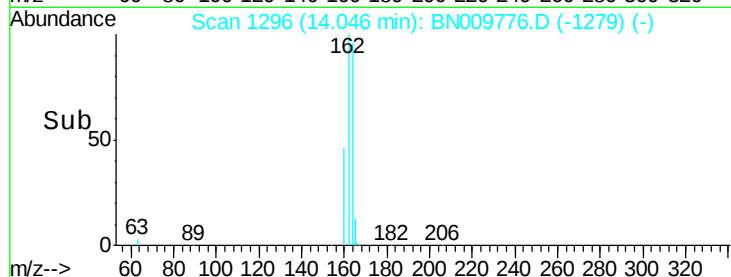
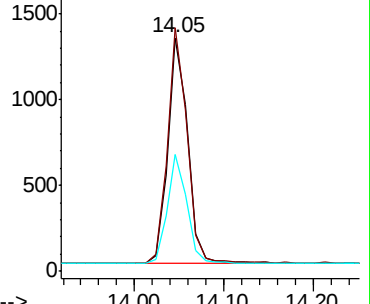
160 49.9 38.2 57.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 1.701 ng

RT: 15.56 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

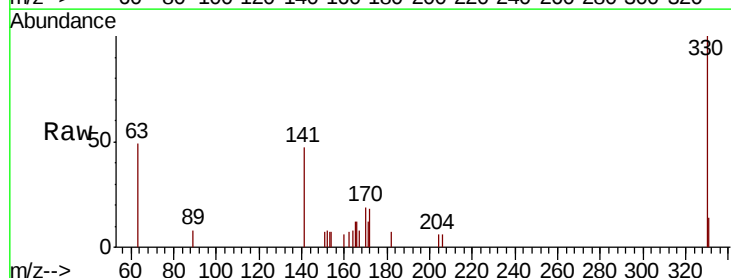
Tgt Ion:330 Resp: 1307

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

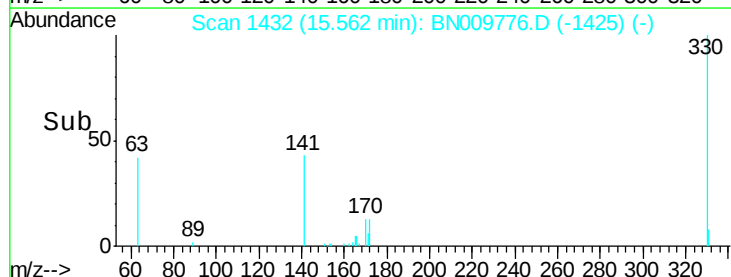
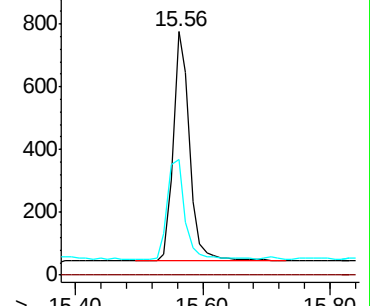
141 46.1 36.8 55.2



Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

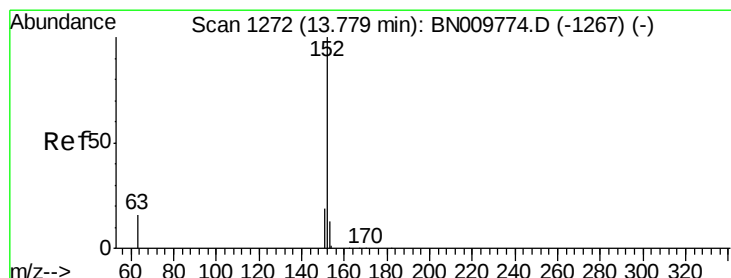
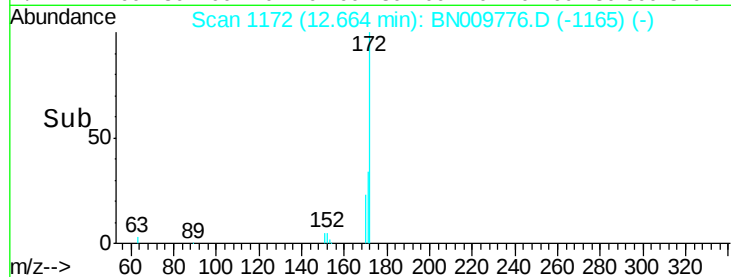
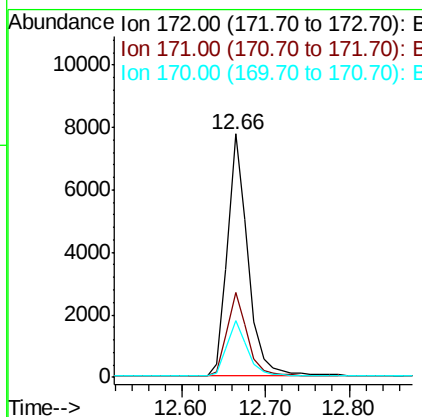
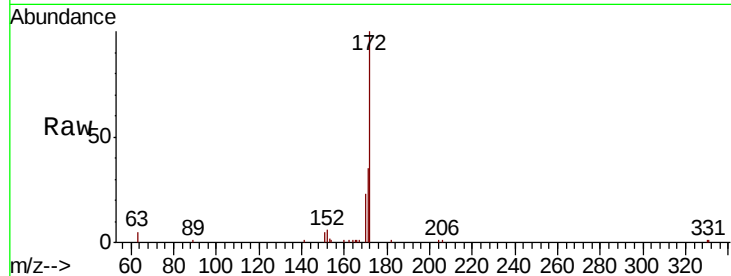




#15  
2-Fluorobiphenyl  
Concen: 1.725 ng  
RT: 12.66 min Scan# 1172  
Delta R.T. -0.02 min  
Lab File: BN009776.D  
Acq: 19 Feb 2020 13:32

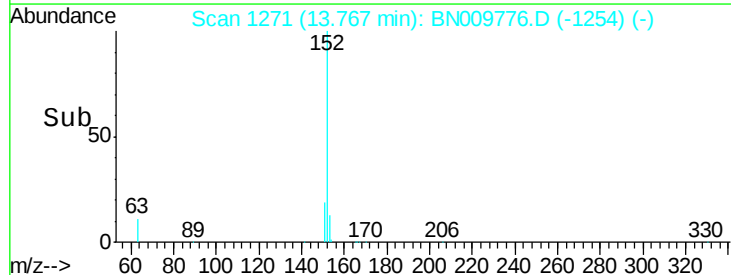
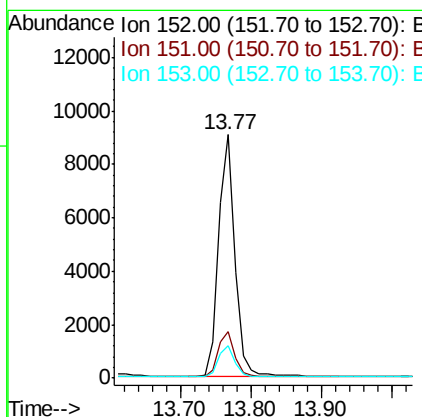
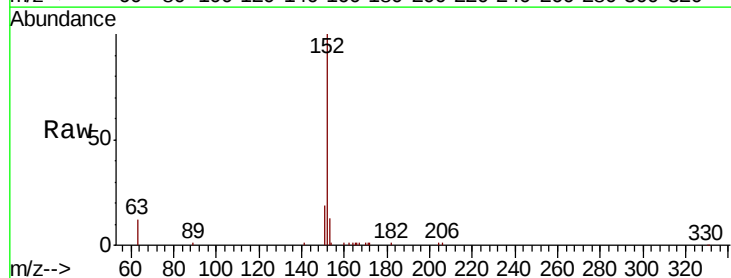
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

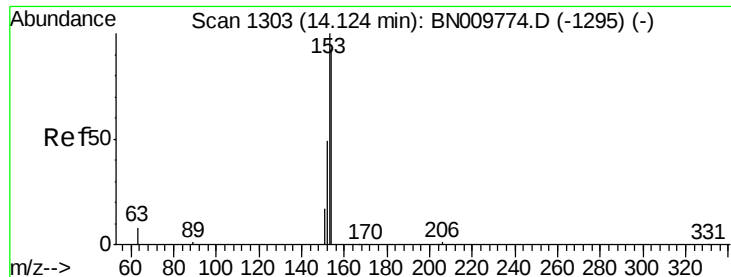
Tot Ion:172 Resp: 13119  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.7 43.1  
170 23.3 20.1 30.1



#16  
Acenaphthylene  
Concen: 1.708 ng  
RT: 13.77 min Scan# 1271  
Delta R.T. -0.01 min  
Lab File: BN009776.D  
Acq: 19 Feb 2020 13:32

Tgt Ion:152 Resp: 14967  
Ion Ratio Lower Upper  
152 100  
151 19.1 15.8 23.6  
153 13.1 10.2 15.4





#17

Acenaphthene

Concen: 1.651 ng

RT: 14.11 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

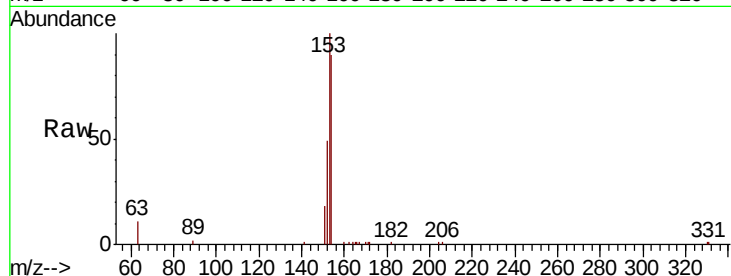
Tot Ion:154 Resp: 10178

Ion Ratio Lower Upper

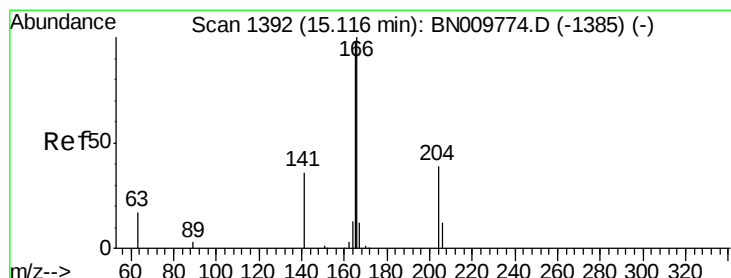
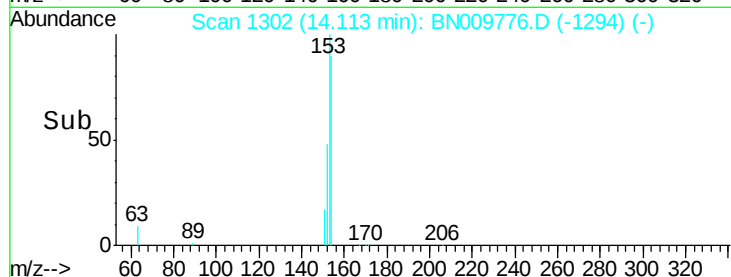
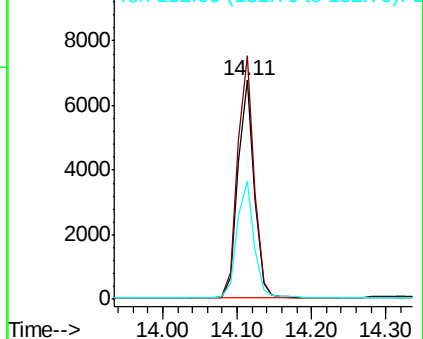
154 100

153 112.4 88.9 133.3

152 55.2 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 1.678 ng

RT: 15.12 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

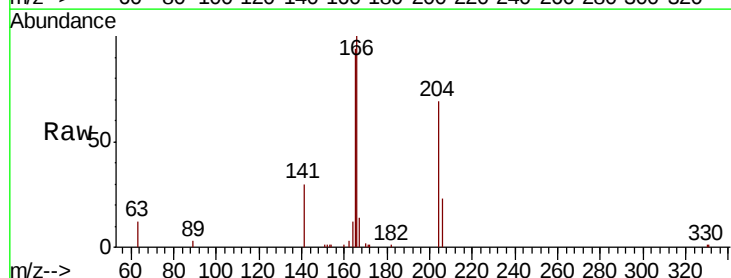
Tgt Ion:166 Resp: 13474

Ion Ratio Lower Upper

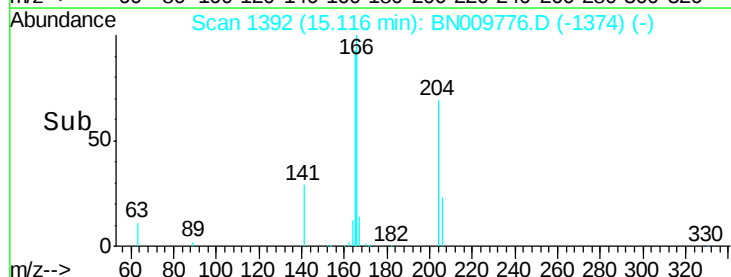
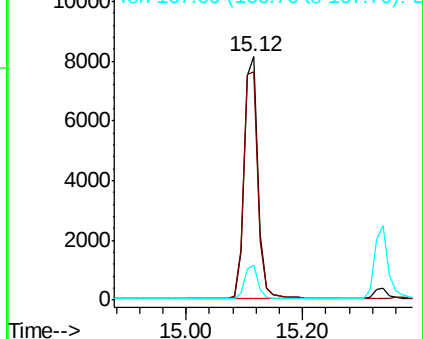
166 100

165 97.0 77.2 115.8

167 13.6 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

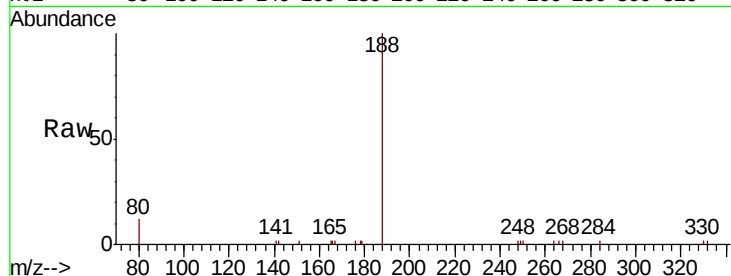
Tot Ion:188 Resp: 4537

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

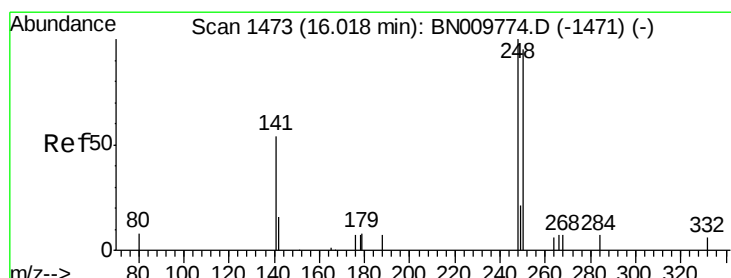
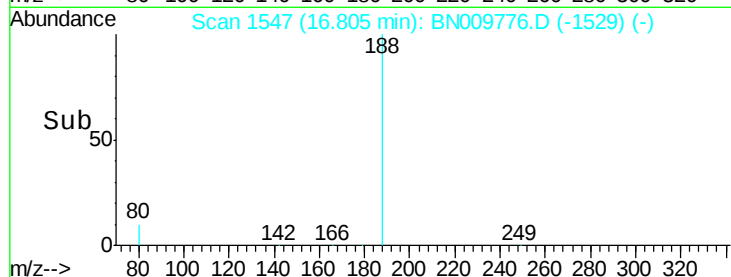
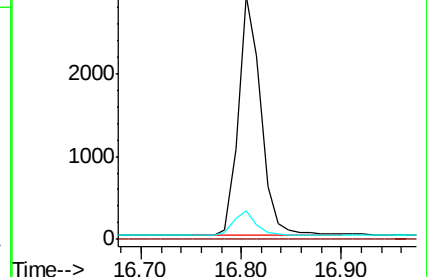
80 11.8 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 1.477 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

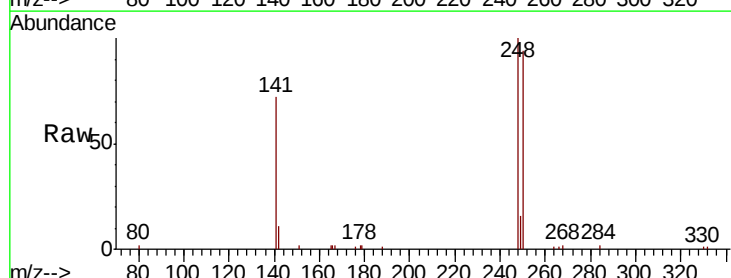
Tgt Ion:248 Resp: 4035

Ion Ratio Lower Upper

248 100

250 94.4 76.2 114.4

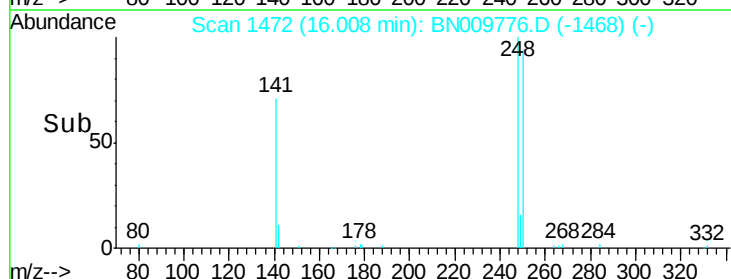
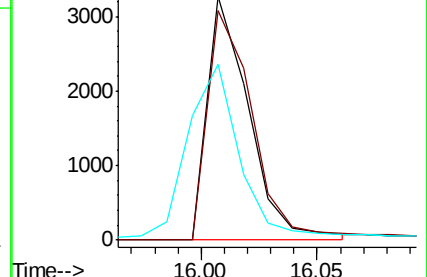
141 72.1 57.8 86.6

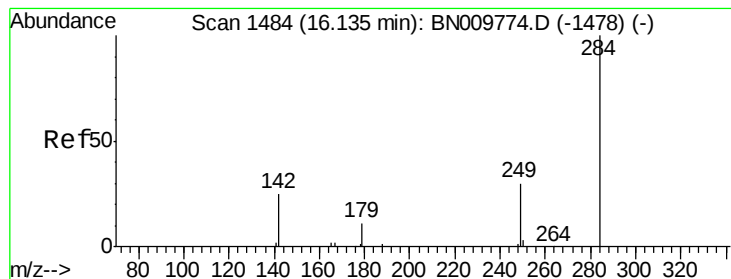


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.616 ng

RT: 16.12 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

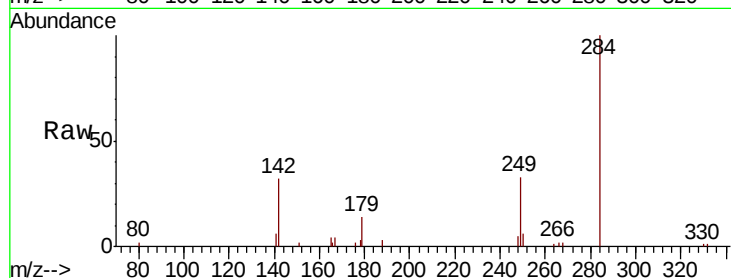
Tot Ion:284 Resp: 4700

Ion Ratio Lower Upper

284 100

142 41.3 33.3 49.9

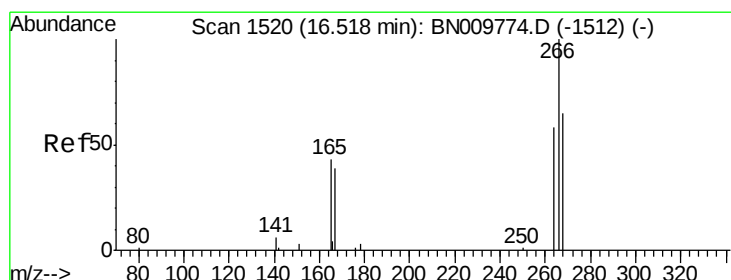
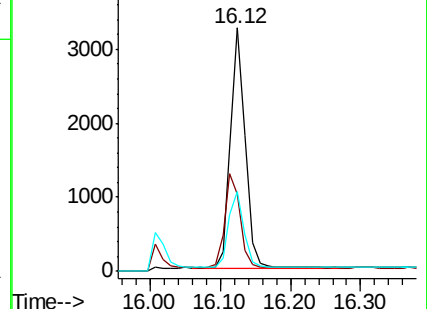
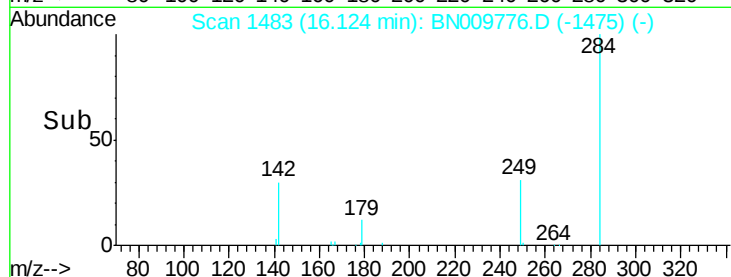
249 33.0 25.7 38.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.523 ng

RT: 16.50 min Scan# 1518

Delta R.T. -0.02 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

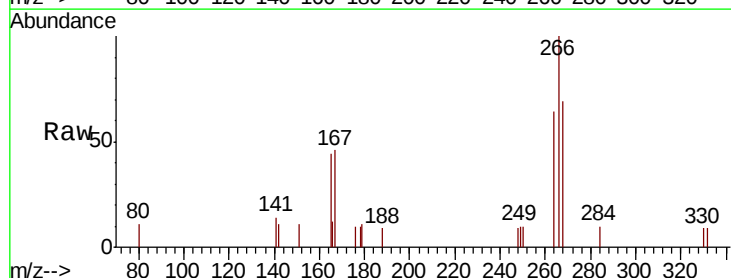
Tgt Ion:266 Resp: 1244

Ion Ratio Lower Upper

266 100

264 63.7 58.1 87.1

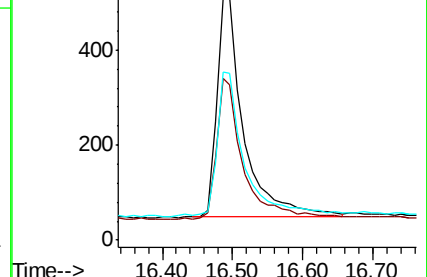
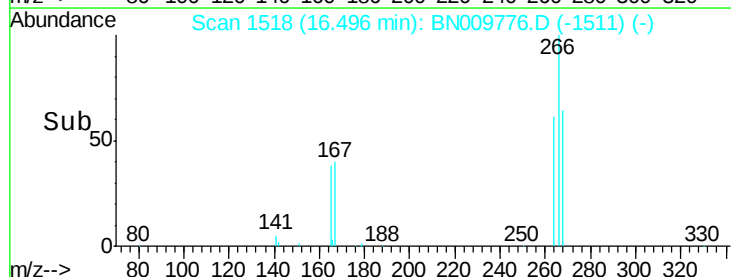
268 68.8 65.7 98.5

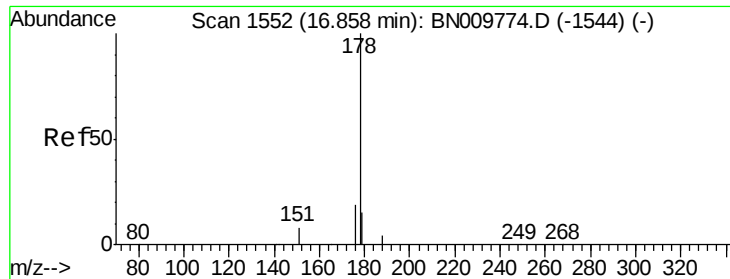


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.657 ng

RT: 16.85 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

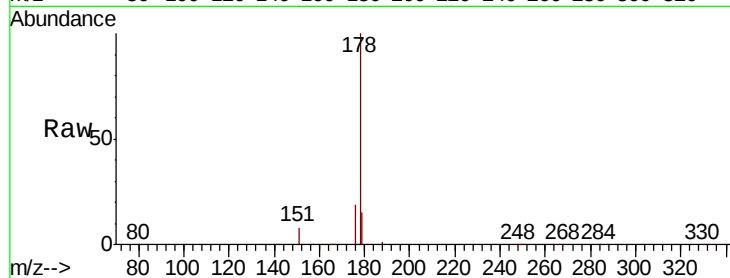
Tot Ion:178 Resp: 22589

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

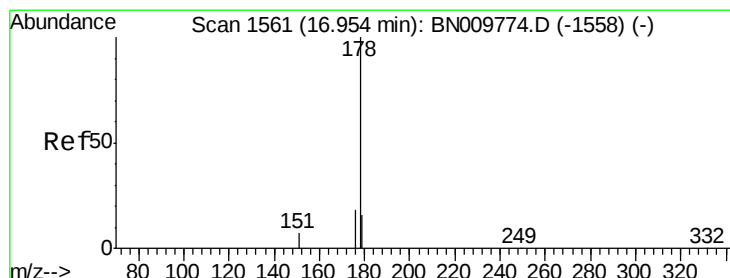
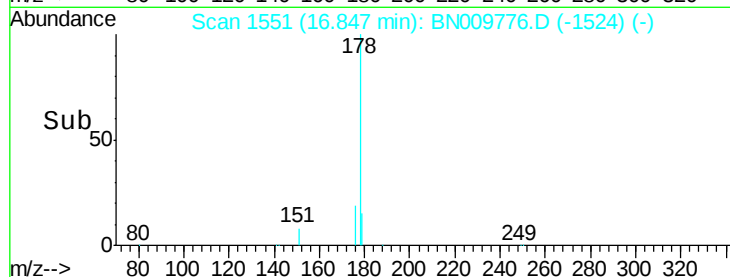
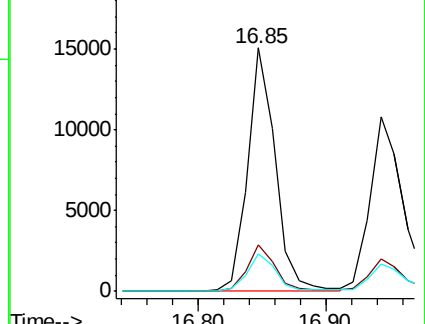
179 15.2 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 1.707 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

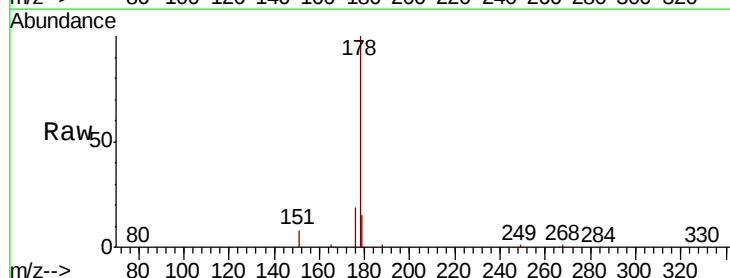
Tgt Ion:178 Resp: 19535

Ion Ratio Lower Upper

178 100

176 18.0 14.3 21.5

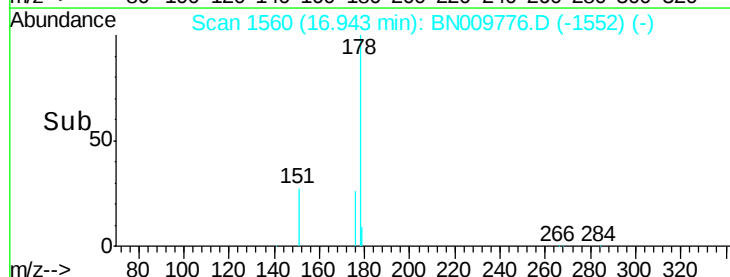
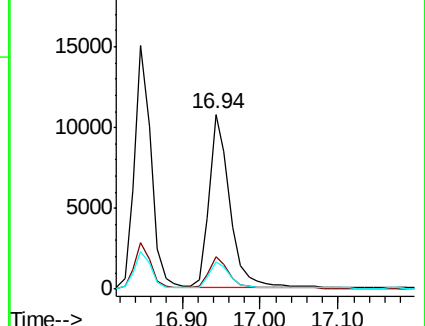
179 15.3 12.4 18.6

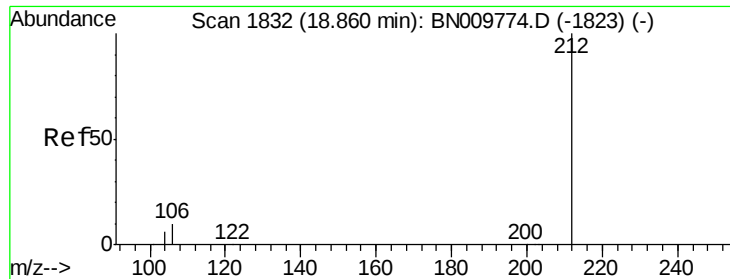


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.707 ng

RT: 18.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

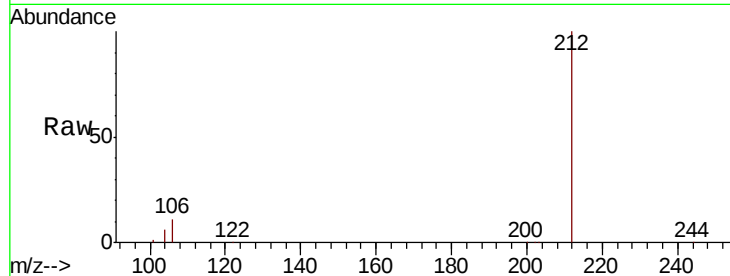
Tot Ion:212 Resp: 26558

Ion Ratio Lower Upper

212 100

106 10.8 8.4 12.6

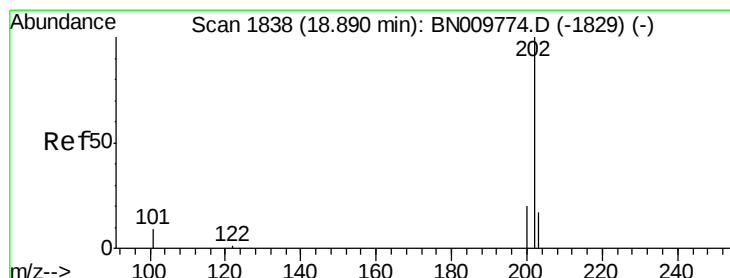
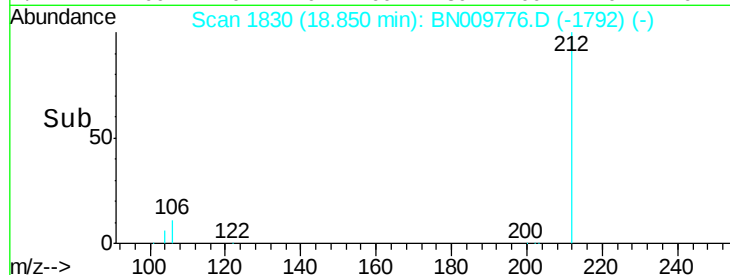
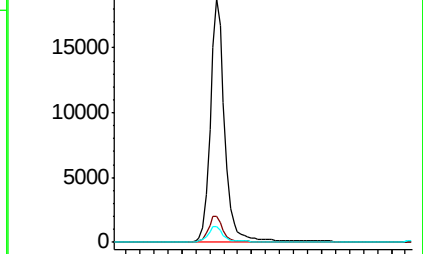
104 6.3 4.8 7.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 1.725 ng

RT: 18.88 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

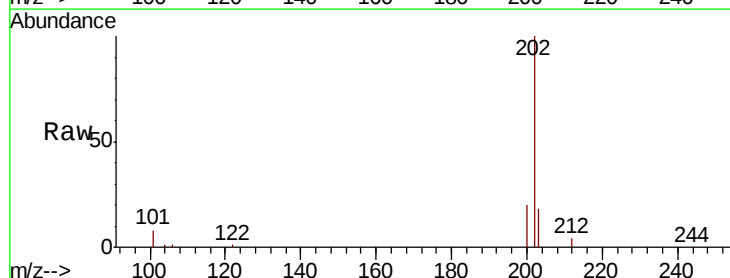
Tgt Ion:202 Resp: 27578

Ion Ratio Lower Upper

202 100

101 9.1 7.1 10.7

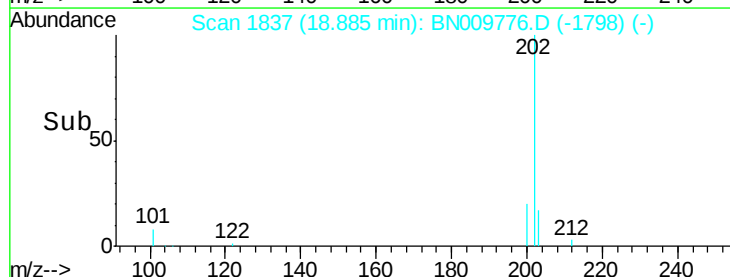
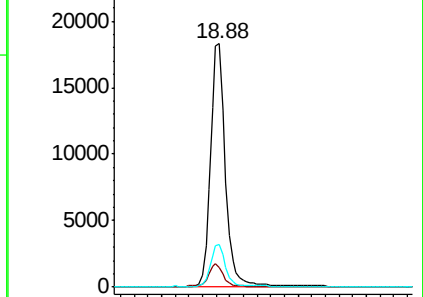
203 17.1 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

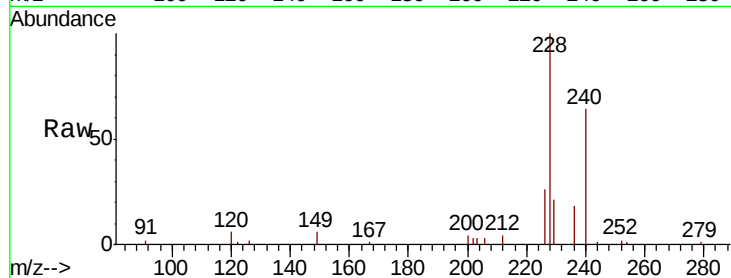
Tot Ion:240 Resp: 4411

Ion Ratio Lower Upper

240 100

120 9.5 7.9 11.9

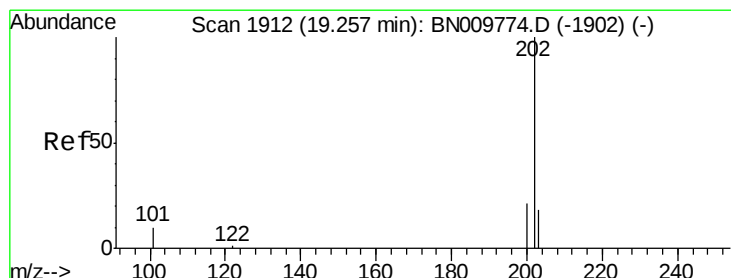
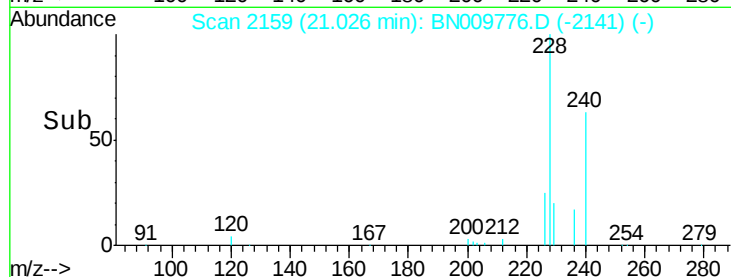
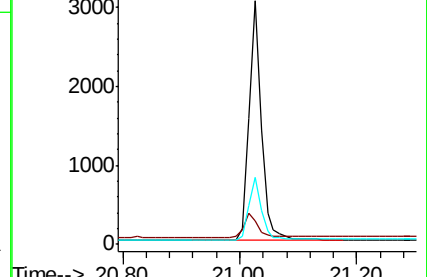
236 27.8 22.0 33.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 1.615 ng

RT: 19.25 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

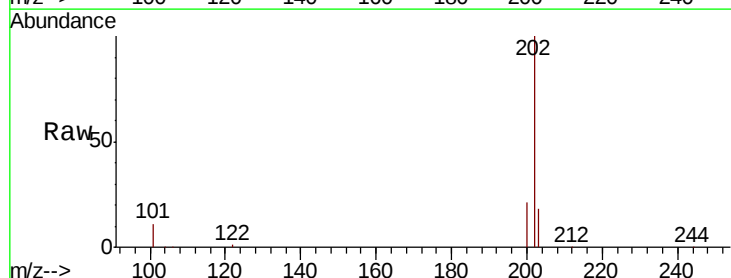
Tgt Ion:202 Resp: 26996

Ion Ratio Lower Upper

202 100

200 20.2 16.4 24.6

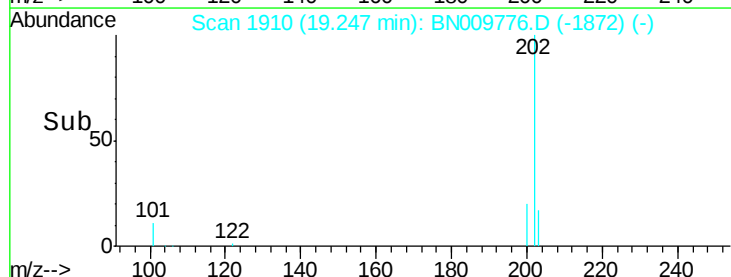
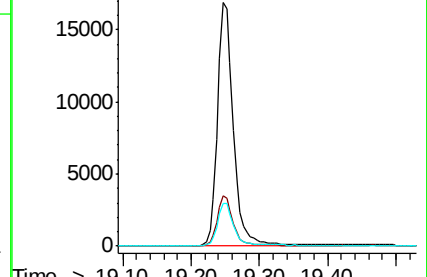
203 17.4 13.9 20.9

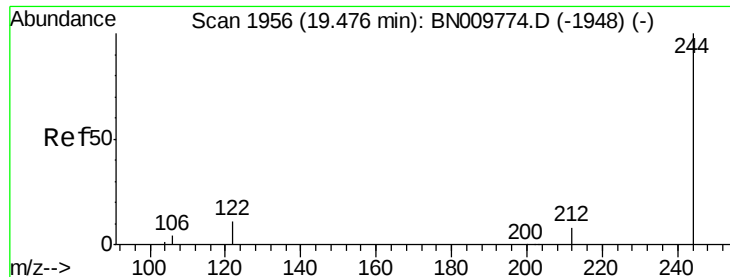


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 1.643 ng

RT: 19.47 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

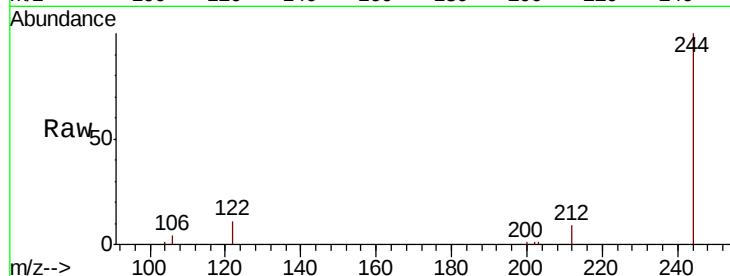
Tot Ion:244 Resp: 17169

Ion Ratio Lower Upper

244 100

212 8.7 8.0 12.0

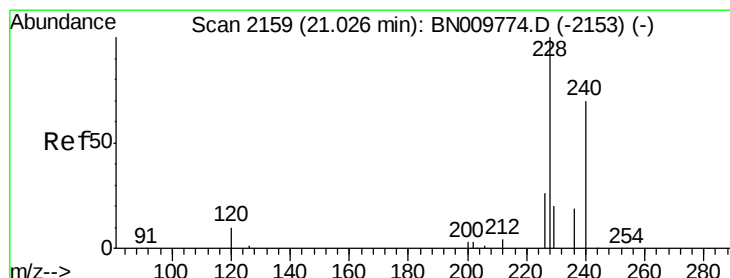
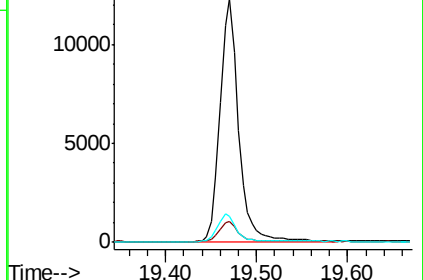
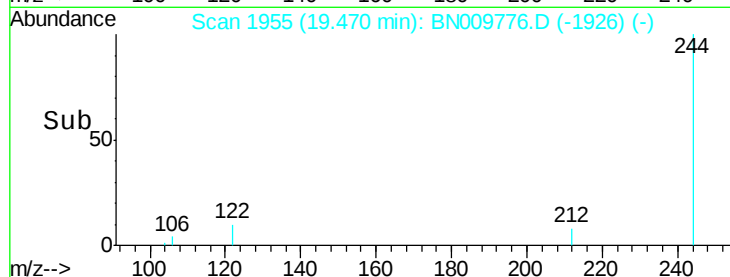
122 10.7 10.0 15.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 1.699 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

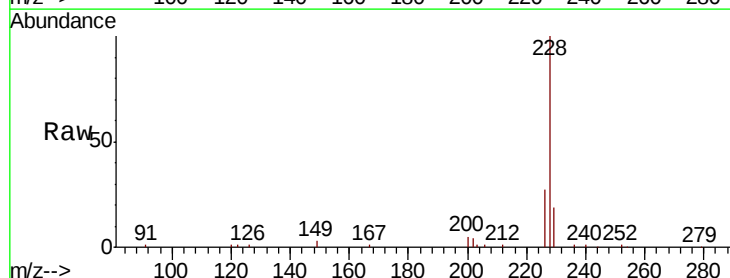
Tgt Ion:228 Resp: 24632

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

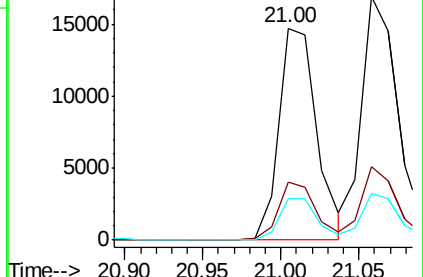
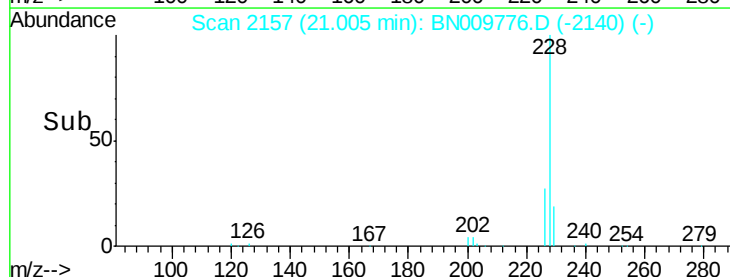
229 19.5 17.1 25.7

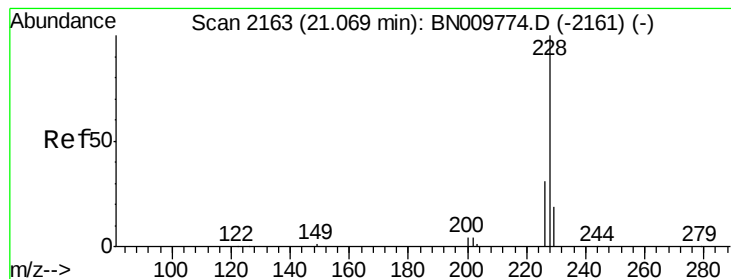


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.670 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

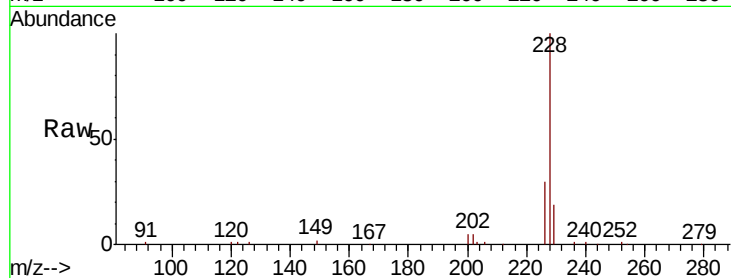
Tot Ion:228 Resp: 27688

Ion Ratio Lower Upper

228 100

226 30.2 24.8 37.2

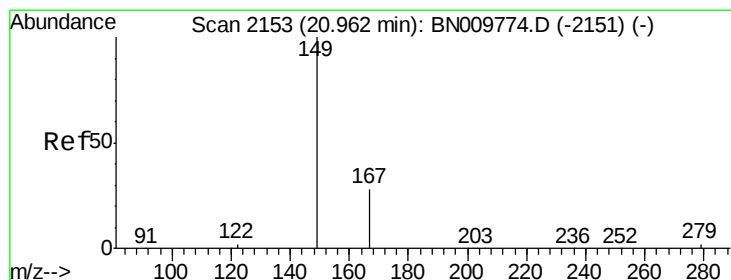
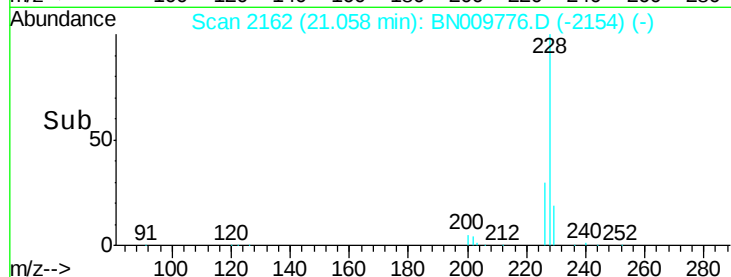
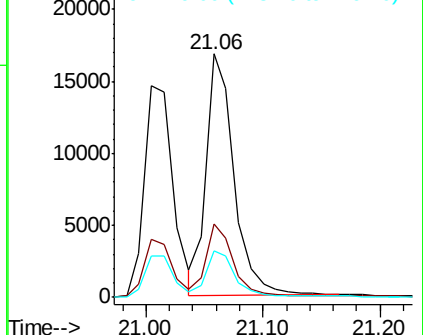
229 19.2 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.699 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

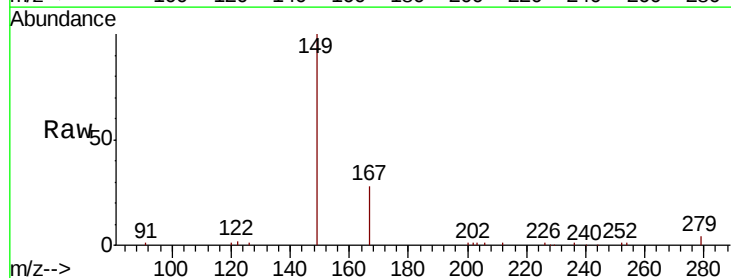
Tgt Ion:149 Resp: 10892

Ion Ratio Lower Upper

149 100

167 28.2 22.7 34.1

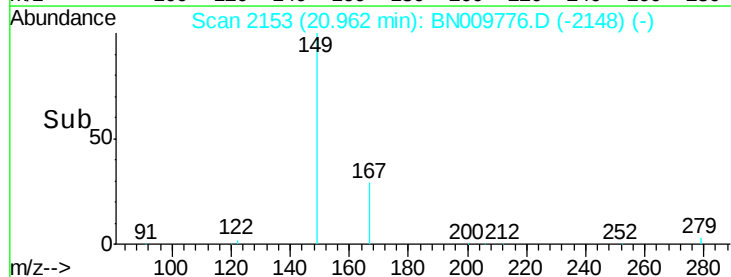
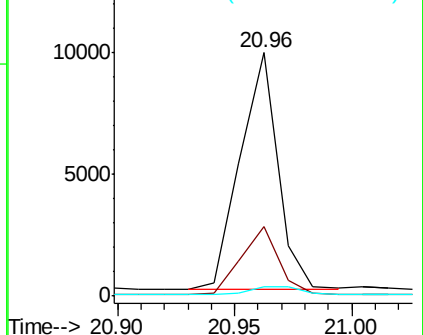
279 4.0 3.1 4.7

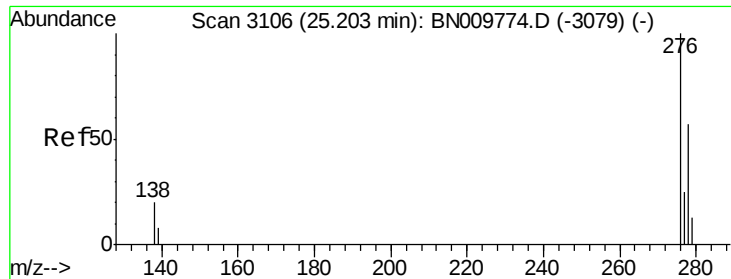


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

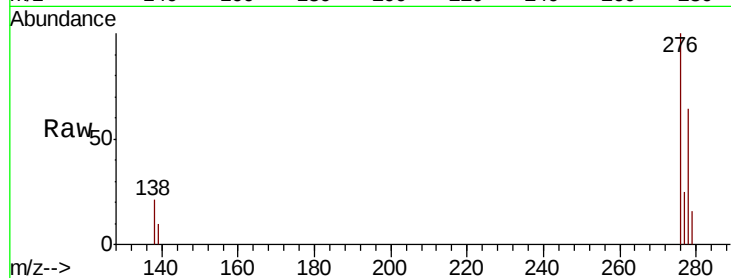




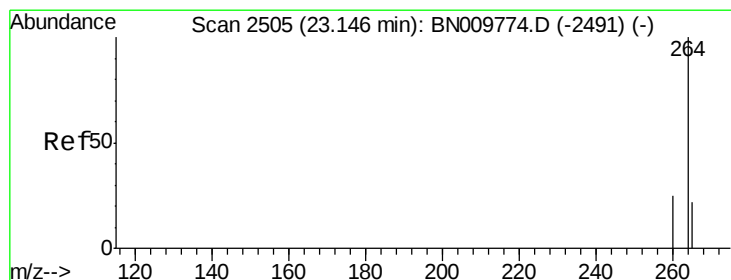
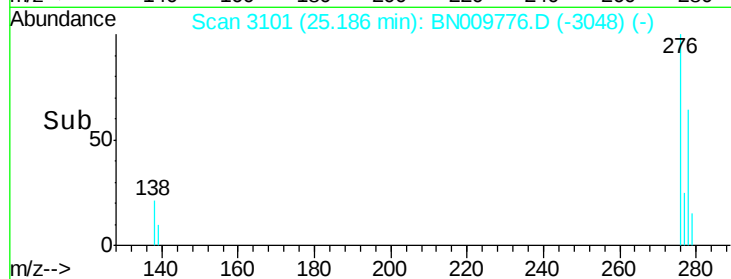
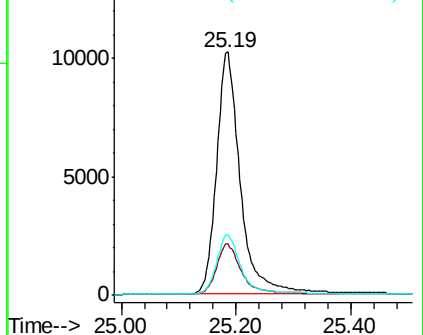
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.711 ng  
 RT: 25.19 min Scan# 3101  
 Delta R.T. -0.02 min  
 Lab File: BN009776.D  
 Acq: 19 Feb 2020 13:32

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC1.6

Tot Ion:276 Resp: 29510  
 Ion Ratio Lower Upper  
 276 100  
 138 21.3 15.8 23.6  
 277 24.4 19.3 28.9

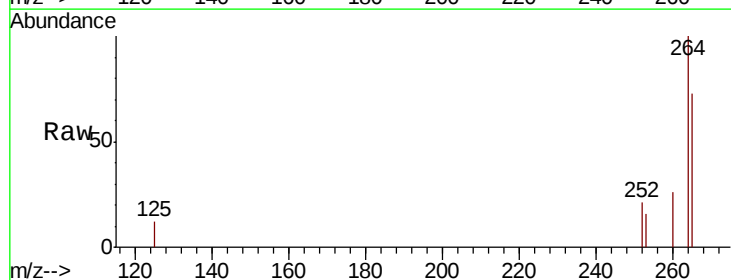


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

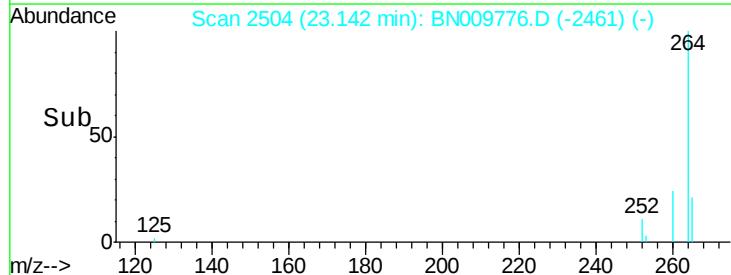
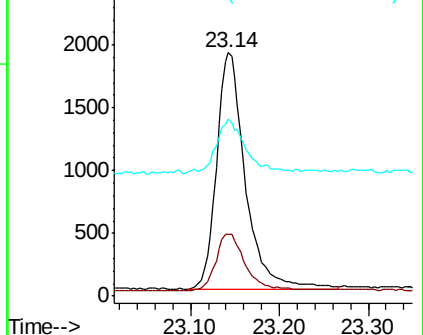


#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.14 min Scan# 2504  
 Delta R.T. -0.00 min  
 Lab File: BN009776.D  
 Acq: 19 Feb 2020 13:32

Tgt Ion:264 Resp: 4202  
 Ion Ratio Lower Upper  
 264 100  
 260 25.6 21.1 31.7  
 265 72.5 57.5 86.3



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

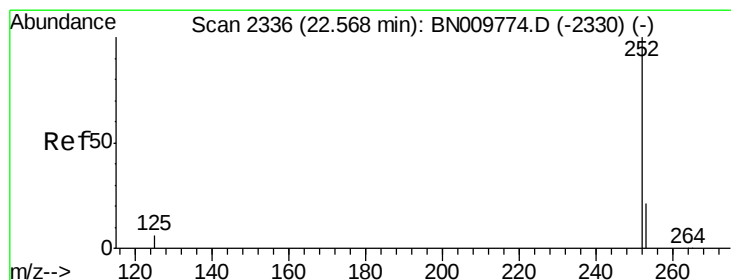
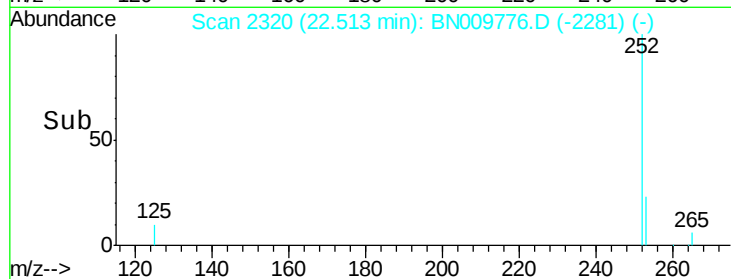
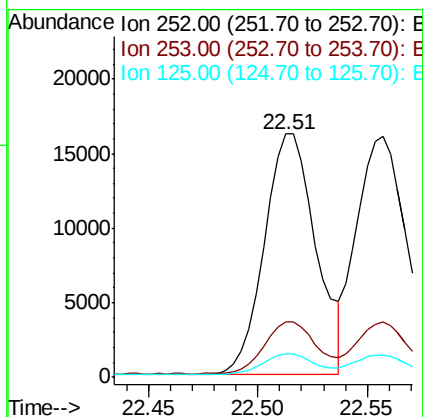
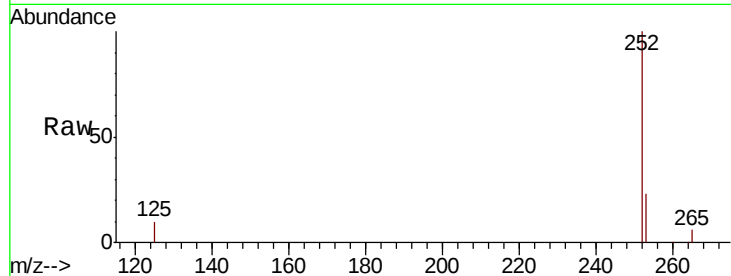




#35  
Benzo(b)fluoranthene  
Concen: 1.721 ng  
RT: 22.51 min Scan# 2320  
Delta R.T. -0.01 min  
Lab File: BN009776.D  
Acq: 19 Feb 2020 13:32

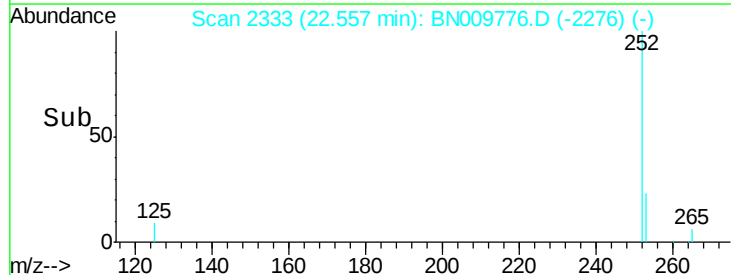
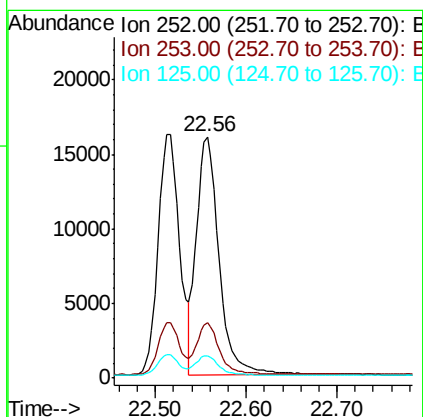
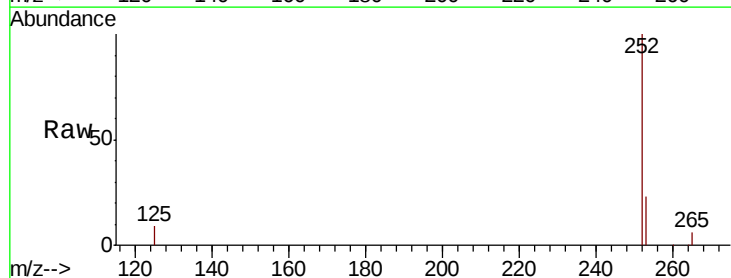
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

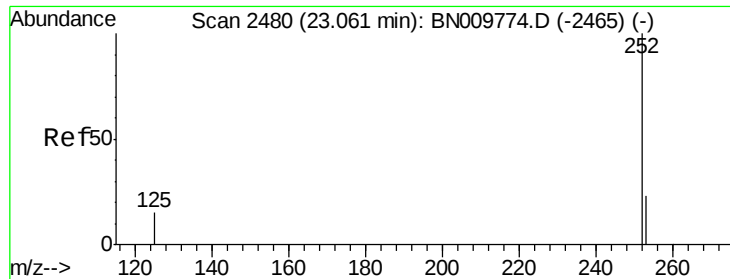
Tot Ion:252 Resp: 26596  
Ion Ratio Lower Upper  
252 100  
253 22.8 23.0 34.6#  
125 9.6 14.4 21.6#



#36  
Benzo(k)fluoranthene  
Concen: 1.623 ng  
RT: 22.56 min Scan# 2333  
Delta R.T. -0.01 min  
Lab File: BN009776.D  
Acq: 19 Feb 2020 13:32

Tgt Ion:252 Resp: 27691  
Ion Ratio Lower Upper  
252 100  
253 23.0 22.2 33.2  
125 9.3 10.5 15.7#





#37

Benzo(a)pyrene

Concen: 1.725 ng

RT: 23.05 min Scan# 2477

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

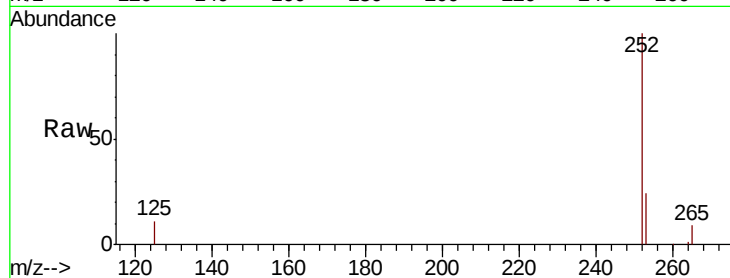
Tot Ion:252 Resp: 23474

Ion Ratio Lower Upper

252 100

253 23.7 25.3 37.9#

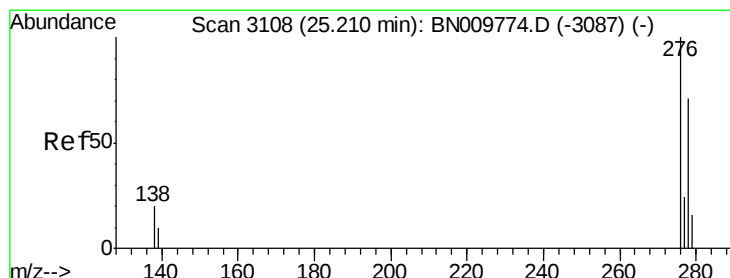
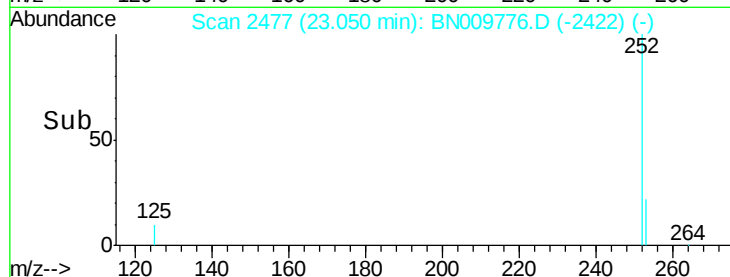
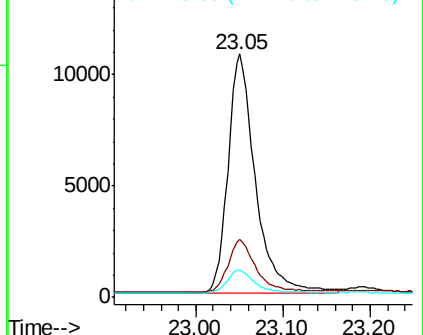
125 11.3 17.7 26.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 1.752 ng

RT: 25.20 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

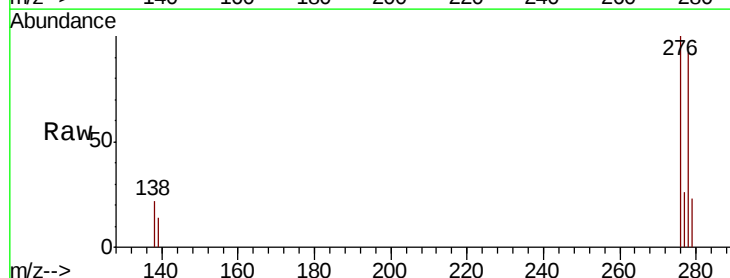
Tgt Ion:278 Resp: 23977

Ion Ratio Lower Upper

278 100

139 14.8 14.5 21.7

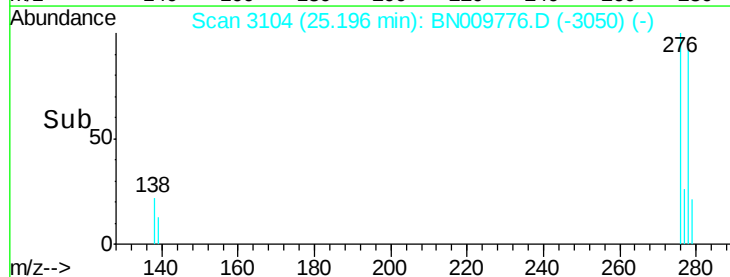
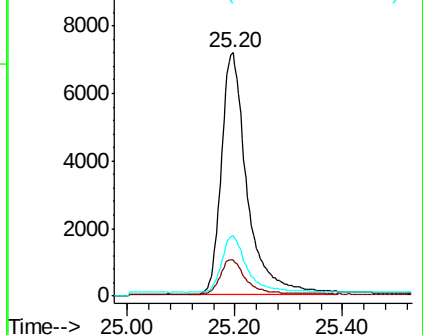
279 24.7 24.3 36.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 1.656 ng

RT: 25.81 min Scan# 3283

Delta R.T. -0.02 min

Lab File: BN009776.D

Acq: 19 Feb 2020 13:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

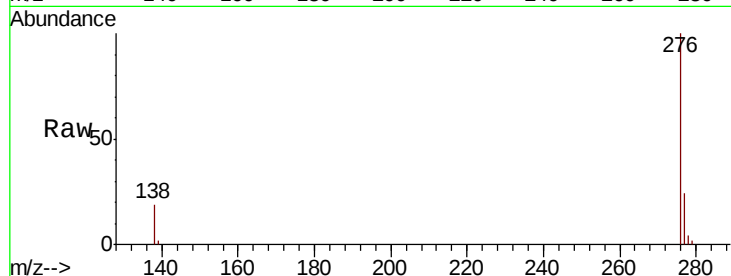
Tot Ion:276 Resp: 24935

Ion Ratio Lower Upper

276 100

277 23.7 21.4 32.0

138 19.3 16.6 24.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

